

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Original) A conductive polymer blend comprising of a major amount of a polyketone polymer and a minor amount of a conducting organic polymer as additive.
2. (Currently Amended) A conductive polymer blend as claimed in claim 1 wherein the polyketone polymer is a linear alternating polymer of carbon monoxide and at least one ethylenically unsaturated hydrocarbon comonomer.
3. (Currently Amended) A conductive polymer blend as claimed in claim ~~[[1]]~~ 2 wherein the polyketone polymer is a ~~polymer~~ terpolymer of the general formula $—[—CO—(P—)]_n—[CO—(Q)—]_m$ where n and m are both > 0 and P and Q independently consist of ethylenically unsaturated hydrocarbons.
4. (Currently Amended) A conductive polymer blend as claimed in claim ~~[[3]]~~ 2 wherein the ethylenically unsaturated hydrocarbons comonomers used are selected from the group consisting of ~~ethylene and other α -olefins such as propylene, 1-butene, 1-hexene and 1-dodecene~~ α -olefins, unsaturated hydrocarbons with an aryl substituent on an otherwise aliphatic molecule ~~particularly, with an aliphatic or aryl substituent on the carbon atom of the ethylene unsaturation such as styrene, 4-~~

~~methylstyrene and 4-ethylstyrene, and~~ compounds comprising one or more heteroatoms such as ~~vinyl acetate methyl methacrylate and acrylonitrile, copolymers such as (ethylene-CO)_n, (propylene-CO)_n and (styrene-CO)_n, ter-polymers such as [(ethylene-CO)_n-(propylene-CO)_m]_z~~

5. (Currently Amended) A conductive polymer blend as claimed in claim [[4]] 3, wherein in the ~~case of~~ ter-polymers, the individual $-(P-CO)-$ and $-(Q-CO)-$ units are randomly distributed throughout the polymer chain.

6. (Currently Amended) A conductive polymer blend as claimed in claim [[3]] 2, wherein the ethylenically unsaturated ~~hydrocarbon~~ comonomer is selected from the group consisting of ethylene, propylene, styrene, ~~hexane~~ hexene, 1-butene and norbornadiene.

7. (Original) A conductive polymer blend as claimed in claim 1 wherein the conducting polymer additive is selected from the group consisting of substituted or unsubstituted polyanilines, polyacetylenes, polyvinylpyrrolidine, polyazines, polythiophenes, polyphenylene sulfides and polyselenophenes.

8. (Currently Amended) A conductive polymer blend as claimed in claim 7 wherein the conducting organic polymer used is doped with ~~any~~ at least one of onium salts, iodonium salts, borate salts, organic or inorganic acids or their salts.

9. (Original) A process for the preparation of a conductive polymer blend comprising of a major amount of polyketone polymer and a minor amount of a conducting organic polymer additive, said process comprising incorporating the conducting material into the polyketone matrix to uniformly diffuse it therein.

10. (Original) A process as claimed in claim 9 wherein the blends are prepared by incorporating the conducting organic polymer additive by melt mixing or solution mixing.

11. (Currently Amended) A process as claimed in claim 9 wherein polyketone polymer is a linear alternating polymer of carbon monoxide and at least one ethylenically unsaturated ~~hydrocarbon~~ comonomer.

12. (Currently Amended) A process as claimed in claim 9 wherein the polyketone polymer is a ~~polymer~~ terpolymer of the general formula
$$\text{—}[\text{—CO—(P—)}]_n\text{—}[\text{CO—(Q) —}]_m$$
 where n and m are both > 0 and P and Q independently consist of ethylenically unsaturated hydrocarbons.

13. (Currently Amended) A process as claimed in claim ~~[[12]]~~ 11, wherein the ethylenically unsaturated ~~hydrocarbons~~ comonomers used are selected from the group consisting of ~~ethylene and other α -olefins such as propylene, 1-butene, 1-hexene and 1-dodecene, unsaturated hydrocarbons with an aryl substituent on an otherwise aliphatic molecule particularly, with an aliphatic or aryl substituent on the carbon atom of the ethylene unsaturation such as styrene, 4-methylstyrene and 4-~~

~~ethylstyrene, and compounds comprising one or more heteroatoms such as vinyl acetate, methyl methacrylate and acrylonitrile, copolymers such as (ethylene-CO)_n, (propylene-CO)_n, and (styrene-CO)_n, ter-polymers such as [(ethylene-CO)_n-(propylene-CO)_m].~~

14. (Currently Amended) A process as claimed in claim ~~[[13]]~~ 12, wherein in the case of ter-polymers, the individual $-(P-CO)-$ and $-(Q-CO)-$ units are randomly distributed throughout the polymer chain.

15. (Currently Amended) A process as claimed in claim ~~[[12]]~~ 11, wherein the ethylenically unsaturated ~~hydrocarbon~~ comonomer is selected from the group consisting of ethylene, propylene, styrene, ~~hexane~~ hexene, 1-butene and norbornadiene.

16. (Original) A process as claimed in claim 9 wherein the conducting polymer additive is selected from the group consisting of substituted or unsubstituted polyanilines, polyacetylenes, polyvinylpyrrolidine, polyazines, polythiophenes, polyphenylene sulfides and polyselenophenes.

17. (Currently Amended) A process as claimed in claim 16 wherein the conducting organic polymer used is doped with ~~any~~ at least one of onium salts, iodonium salts, borate salts, organic or inorganic acids or their salts.

18. (New) A conductive blend according to claim 4, wherein the compound comprising one or more heteroatoms is selected from the group consisting of vinyl acetate, methyl methacrylate and acrylonitrile.

19. (New) A process according to claim 13, wherein the compound comprising one or more heteroatoms is selected from the group consisting of vinyl acetate, methyl methacrylate and acrylonitrile.